

SPECIFICATION AMENDMENTS

Page 26, lines 14-17, replace the paragraph with the following amended paragraph:

-- Hereby, a linear motor 29 drives a guide rail 30 with the permanent magnets 32 which are situated in the rectangular shaped magnet holder 31. This mobile phase of the magnet system renders a movement of the bioreactor 1 unnecessary. --

Page 11, between lines 23 and 25, insert the following new paragraph:

-- One advantageous feature of the invention is to orient a magnetic nucleolus so that the field which is generated between the poles runs vertical to the transplant so that the magnetic north pole of the complete mini actuator is oriented in an upwards direction. An additional advantageous feature of the invention is characterized in that the control and steering magnet situated outside the bioreactor brings about an oriented movement of the implemented mini actuator with the electro-magnetic field which it generates with the north pole of the permanent magnet which is oriented upwards. An additional advantageous feature of the invention is characterized in that the control and steering magnet comprises two permanent magnets with different vertical magnetic pole directions which are inserted in a rectangular shaped magnet

holder and moved to their horizontal position above the bioreactor in a cyclic manner by means of a servomotor and a guide rail. An additional advantageous feature of the invention is characterized in that the control and steering magnet comprises a minimum of two permanent magnets with different vertical magnetic pole directions. These are in a disk-shaped magnet holder and are moved over the bioreactor in a cyclic manner as a result of the rotational drive of a servomotor. --